
PPAPDC1B Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 254185

Unit: 0.1 mg

Description:

Phosphatidate phosphatase (PAP) plays important role in lipid-signaling metabolism in eukaryotic cells. Two distinct types of PAP (PAP1 and PAP2) activity have been distinguished by their subcellular localization and differential sensitivity to N-ethylmaleimide (NEM) and Mg^{2+} . A yeast diacylglycerol pyrophosphate (DGPP) phosphatase (DPP1) and mammalian DGPP phosphatase (PAP2) have been identified as Mg^{2+} -independent and NEM-insensitive membrane-associated. PPAPDC1A (also known as DPPL2) and PPAPDC1B (DPPL1) form a novel type of Mg^{2+} -independent and NEM-sensitive mammalian phosphatidate phosphatase showing broad substrate specificity. Knockdown experiments indicated that this protein is involved with multiple cell signaling pathways, including the JAK-Stat3, MAP kinase, and PKC pathways. PPAPDC1B may also potentiate the estrogen receptor pathway by down-regulating DUSP22.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: PPAPDC1B; DPPL1; phosphatidic acid phosphatase type 2 domain containing 1B; PPAPDC1

Accession No.: NP_001096029

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human PPAPDC1B.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500

Storage: Store at -20°C . Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.